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6BA4

MECHANICAL DATA

Maximum Overall Length	2-5/16 Inches
Maximum Overall Diameter	1.005 Inches

ELECTRICAL DATA

DIRECT INTERELECTRODE CAPACITANCES

Grid to Plate	1.40 μμf Max.	0.90 μμf Min.
Grid to Cathode	2.40 μμf Max.	1.10 μμf Min.
Plate to Cathode	0.020 μμf Max.	

RATINGS

Heater Voltage (± 10%)	6.3 Volts	
Heater Current	375 to 425 Ma	
Plate Voltage	200 Volts	Max.
Plate Current	20 Ma	Max.
Grid Current	1.5 μa	Max.
Transconductance	7500 μmhos	Min.
Noise Factor	12.5 db	Max.
Power Gain	12 db	Min.
Tube Seal Temperature	175° C	Max.

TYPICAL OPERATING CONDITIONS

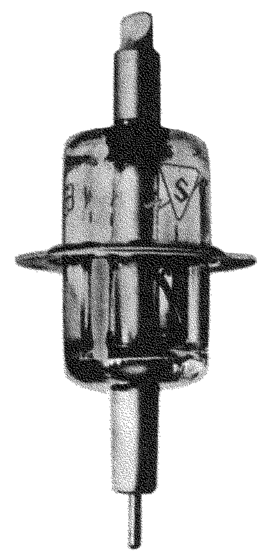
Plate Voltage	150 Volts
Plate Current	10 Ma
Transconductance	8000 μmhos
Amplification Factor	70
Cathode Resistor	100 Ohms
Noise Factor[1]	10.5 db
Power Gain[1]	14 db

NOTE:

1. *Measured at 890 MC.*

QUICK REFERENCE DATA

The Sylvania 6BA4 is a uhf amplifier of planar construction designed for use at uhf frequencies such as the new television channels. This tube is particularly outstanding for its high gain and low noise which may make it possible to extend the uhf television receiver range.



SYLVANIA ELECTRIC PRODUCTS INC.

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WOBURN, MASS.

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